Wyoming-Specific Activity: MMWR Week 14 (Week ending April 11, 2009)

Week	Total
40	8
41	4
42	0
43	2
44	0
45	1
46	3
47	1
48	0
49	1
50	0
51	1
52	2
53	1
1	2
2	1
3	7
4	20
5	39
6	65
7	74
8	107
9	134
10	115
11	135
12	77
13	55
14	44
15	
16	
17	
18	
19	
20	
Unknown	
Total	**900**

County	Totals
Albany	38*
Big Horn	20
Campbell	69
Carbon	2
Converse	15
Crook	7
Fremont	77
Goshen	8
Hot Springs	6
Johnson	
Laramie	367
Lincoln	12*
Natrona	154
Niobrara	2
Park	22*
Platte	9*
Sheridan	13*
Sublette	30
Sweetwater	40
Teton	14
Uinta	7
Washakie	9
Weston	9
Unknown	
Total	**900**

Age	Number
0-4	201
5-10	195
11-19	182
20-39	205
40-59	86
60+	31
Unknown	
Total	**900**

Gender	Number
Male	445
Female	455
Unknown	
Total	**900**

Type	Number
A	466
B	218
Unknown	216
Total	**900**

Test	Number
Rapid	884
Culture	13
PCR	1
DFA	1
IFA	1
Total	**900**

***** Counties with positive laboratory cultures

Wyoming Public Health Laboratory Testing: MMWR Week 14 (Week ending April 11, 2009)

Week	# Submitted	A (H1)	A (H3)	B	Negative	Unknown	Not Tested
40	1	-	-	-	1		
41	0	-	-	-	-		
42	0	-	-	-	-		
43	0	-	-	-	-		
44	1	-	-	-	1		
45	0	-	-	-	-		
46	0	-	-	-	-		
47	2	-	-	-	2		
48	0	-	-	-	-		
49	1	-	-	-	1		
50	1	-	-	-	1		
51	0	-	-	-	-		
52	0	-	-	-	-		
53	0	-	-	-	-		
1	0	-	-	-	-		
2	0	-	-	-	-		
3	2	1	1	-	-		
4	4	-	-	1	3		
5	4	-	2	-	2		
6	1	-	-	-	1		
7	1	-	1	-	-		
8	3	-	1	1	1		
9	1	-	-	-	1		
10	6	1	1	-	4		
11	4	-	-	1	3		
12	4	1	-	-	3		
13	1	-	-	-	1		
14	6	-	1	2	3		
15							
16							
17							
18							
19							
20							
Total	**43**	**3**	**7**	**5**	**28**	**0**	**0**

Antigenic Characterization: MMWR Week 14 (Week ending April 11, 2009)

The Centers for Disease Control and Prevention (CDC) has antigenically characterized 1,094 influenza viruses [723 influenza A (H1), 107 influenza A (H3) and 264 influenza B viruses] collected by U.S. laboratories since October 1, 2008.

All 723 influenza A (H1) viruses are related to the influenza A (H1N1) component of the 2008-09 influenza vaccine (A/Brisbane/59/2007). All 107 influenza A (H3N2) viruses are related to the A (H3N2) vaccine component (A/Brisbane/10/2007).

Influenza B viruses currently circulating can be divided into two distinct lineages represented by the B/Yamagata/16/88 and B/Victoria/02/87 viruses. Fifty influenza B viruses tested belong to the B/Yamagata lineage and are related to the vaccine strain (B/Florida/04/2006). The remaining 214 viruses belong to the B/Victoria lineage and are not related to the vaccine strain.

Data on antigenic characterization should be interpreted with caution given that antigenic characterization data is based on hemagglutination inhibition (HI) testing using a panel of reference ferret antisera and results may not correlate with clinical protection against circulating viruses provided by influenza vaccination.

Annual influenza vaccination is expected to provide the best protection against those virus strains that are related to the vaccine strains, but limited to no protection may be expected when the vaccine and circulating virus strains are so different as to be from different lineages, as is seen with the two lineages of influenza B viruses.